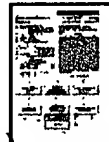


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## JP2107737A2: AMORPHOUS SOFT MAGNETIC FILM

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Country: **JP Japan**

Kind:

Inventor(s): **HIRONAKA KATSUYUKI  
WATARI AKIE  
KAMIHIRA AKIRA**

Applicant(s): **SONY CORP**  
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Issued/Filed Dates: **April 19, 1990 / Oct. 18, 1988**

Application Number: **JP1988000261859**

IPC Class: **C22C 19/07:**

Abstract:

**Purpose:** To improve the saturated magnetic flux density, thermal stability and corrosion resistance of the title film by substituting a part or whole of an amorphous soft magnetic film constituted of a Co-Fe-P ternary alloy by Sn.  
**Constitution:** The amorphous soft magnetic film is shown by the compsn. formula of  $\text{CoaFebSucPd}$  where (a), (b), (c) and (d) are expressed by each atomic % and the relationship of 64 to 86 (a)+(b), 0.5 to 12 (b), 0.5 to 36 (c), 0 to 24 (d) and (a)+(b)+(c)+(d)=100 is satisfied. The above soft magnetic film has high saturated magnetic flux density, thermal stability and corrosion resistance.  
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Other Abstract Info:

DERABS C90-167536 DERC90-167536

Foreign References:

(No patents reference this one)



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